

Other Major Household Appliance Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
335228, Other major household appliance manufacturing	2002...	32	34	12 692	456 954	10 601	21 917	347 103	1 702 264	1 572 423	3 278 763	'128 984
	2001...	N	N	12 770	472 251	10 392	21 504	331 296	1 798 658	1 723 996	3 533 610	95 461
	2000...	N	N	14 088	474 591	11 775	23 209	345 376	1 778 371	1 786 241	3 540 712	88 201
	1999...	N	N	13 166	452 542	11 081	22 617	343 058	1 624 835	1 736 368	3 362 280	85 765
	1998...	N	N	13 215	421 019	11 195	21 906	324 412	1 682 143	1 572 772	3 255 066	68 156
	1997...	32	35	12 848	409 409	10 881	21 815	315 155	1 775 537	1 446 261	3 232 077	65 021

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. **Industry Statistics for Selected States: 2002**

[Not applicable for this report]

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
335228, Other major household appliance manufacturing	
Companies ¹	number.. 32
All establishments ²	number.. 34
Establishments with 1 to 19 employees	number.. 9
Establishments with 20 to 99 employees	number.. 11
Establishments with 100 employees or more	number.. 14
All employees ³	number.. 12 692
Total compensation	\$1,000.. 614 327
Annual payroll	\$1,000.. 456 954
Total fringe benefits	\$1,000.. 157 373
Production workers, average for year	number.. 10 601
Production workers on March 12	number.. 10 457
Production workers on May 12	number.. 10 639
Production workers on August 12	number.. 10 647
Production workers on November 12	number.. 10 658
Production worker hours	1,000.. 21 917
Production worker wages	\$1,000.. 347 103
Total cost of materials	\$1,000.. 1 572 423
Materials, parts, containers, packaging, etc., used	\$1,000.. 1 509 484
Resales	\$1,000.. 28 364
Purchased fuels	\$1,000.. 9 105
Purchased electricity	\$1,000.. 15 651
Contract work	\$1,000.. 9 819
Quantity of electricity purchased for heat and power	1,000 kWh.. 340 815
Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
Total value of shipments	\$1,000.. 3 278 763
Primary products value of shipments	\$1,000.. 2 961 274
Secondary products value of shipments	\$1,000.. 277 808
Total miscellaneous receipts	\$1,000.. 39 681
Value of resales	\$1,000.. 34 427
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 91
Value of primary products shipments made in all industries	\$1,000.. 3 037 227
Value of primary products shipments made in this industry	\$1,000.. 2 961 274
Value of primary products shipments made in other industries	\$1,000.. 75 953
Coverage ratio	percent.. 97
Value added	\$1,000.. 1 702 264
Total inventories, beginning of year	\$1,000.. 232 879
Finished goods inventories	\$1,000.. 127 274
Work-in-process inventories	\$1,000.. 28 900
Materials and supplies inventories	\$1,000.. 76 705
Total inventories, end of year	\$1,000.. 234 201
Finished goods inventories	\$1,000.. 115 942
Work-in-process inventories	\$1,000.. 36 156
Materials and supplies inventories	\$1,000.. 82 103
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 1 059 775
Total capital expenditures (new and used)	\$1,000.. '128 984
Buildings and other structures (new and used)	\$1,000.. '24 374
Machinery and equipment (new and used)	\$1,000.. '104 610
Automobiles, trucks, etc., for highway use	\$1,000.. '972
Computers and peripheral data processing equipment	\$1,000.. '8 077
All other expenditures for machinery and equipment	\$1,000.. '95 561
Total retirements	\$1,000.. '25 140
Gross value of depreciable assets at end of year	\$1,000.. '1 163 619
Depreciation charges during year	\$1,000.. '73 754
Total rental payments	\$1,000.. 11 020
Buildings and other structures	\$1,000.. 2 581
Machinery and equipment	\$1,000.. 8 439
Total other expenses ⁴	\$1,000.. 246 845
Response coverage ratio ⁵	percent.. 83
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 21 985
Communications services ⁴	\$1,000.. 3 918
Legal services ⁴	\$1,000.. D
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 710
Advertising and promotional services ⁴	\$1,000.. 13 256
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 2 196
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 2 245
Management consulting and administrative services ⁴	\$1,000.. D
Taxes and license fees ⁴	\$1,000.. 6 077
All other expenses ⁴	\$1,000.. 164 659

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
335228, Other major household appliance manufacturing											
All establishments	—	34	12 692	456 954	10 601	21 917	347 103	1 702 264	1 572 423	3 278 763	¹ 128 984
Establishments with—											
1 to 4 employees	9	5	5	106	4	5	64	428	369	797	¹ 10
5 to 9 employees	9	2	a	D	D	D	D	D	D	D	D
10 to 19 employees	4	2	b	D	D	D	D	D	D	D	D
20 to 49 employees	—	9	309	12 112	216	436	6 573	34 989	36 856	71 065	² 2 020
50 to 99 employees	—	2	c	D	D	D	D	D	D	D	D
100 to 249 employees	—	2	e	D	D	D	D	D	D	D	D
250 to 499 employees	2	2	f	D	D	D	D	D	D	D	D
500 to 999 employees	—	4	2 801	82 035	2 383	4 440	57 868	316 770	477 120	785 549	26 983
1,000 to 2,499 employees	—	6	8 297	322 244	7 044	14 948	259 960	1 234 233	938 325	2 184 475	52 831
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	5	5	106	4	5	64	428	369	797	¹ 10

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
335228	Other major household appliance manufacturing	34	12 692	456 954	10 601	21 917	347 103	1 702 264	1 572 423	3 278 763	128 984
3352281	Household water heaters, electric, for permanent installation	7	2 230	62 397	1 932	3 624	47 453	284 602	288 367	572 519	14 930
3352283	Household water heaters, except electric	9	3 880	129 830	3 137	6 045	99 117	459 645	395 698	855 632	10 703
3352285	All other miscellaneous household appliances	12	6 569	264 478	5 523	12 237	200 371	957 384	887 803	1 849 412	113 335

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
335228	Other major household appliance manufacturing	2002.. N	X	X	3 037 227
	..... 1997.. N		X	X	2 898 327
3352281	Household water heaters, electric, for permanent installation	2002.. N	X	X	562 155
	..... 1997.. N		X	X	548 477
33522811	Household water heaters, electric, for permanent installation	2002.. N	X	X	562 155
	..... 1997.. N		X	X	548 477
3352281100	Household water heaters, electric, for permanent installation ¹	2002.. 10	X	X	562 155
	..... 1997.. 16		X	X	548 477
3352283	Household water heaters, except electric	2002.. N	X	X	664 694
	..... 1997.. N		X	X	756 280
33522831	Household water heaters, except electric	2002.. N	X	X	664 694
	..... 1997.. N		X	X	756 280
3352283100	Household water heaters, except electric ¹	2002.. 11	X	X	664 694
	..... 1997.. 13		X	X	756 280
3352285	All other miscellaneous household appliances	2002.. N	X	X	1 809 176
	..... 1997.. N		X	X	1 590 977
33522851	All other miscellaneous household appliances	2002.. N	X	X	1 809 176
	..... 1997.. N		X	X	1 590 977
3352285110	All other miscellaneous household appliances (including dishwashing machines, food waste disposers and trash compactors, etc.) (excluding parts) ¹	2002.. 13	X	X	1 764 461
	..... 1997.. 15		X	X	1 543 365
3352285190	Parts for all other household appliances (including dishwashing machines, food waste disposers and trash compactors, etc.) ¹	2002.. 17	X	X	44 715
	..... 1997.. 10		X	X	47 612
3352285Y	All other miscellaneous household appliances, nsk	2002.. N	X	X	—
	..... 1997.. N		X	X	—
3352285YVV	All other miscellaneous household appliances, nsk	2002.. N	X	X	—
	..... 1997.. N		X	X	—
335228W	Other major household appliance manufacturing, nsk, total	2002.. N	X	X	1 202
	..... 1997.. N		X	X	2 593
335228WY	Other major household appliance manufacturing, nsk, total	2002.. N	X	X	1 202
	..... 1997.. N		X	X	2 593
335228WYWW	Other major household appliance manufacturing, nsk, for nonadministrative-record establishments	2002.. N	X	X	423
	..... 1997.. N		X	X	1 146
335228WYWY	Other major household appliance manufacturing, nsk, for administrative-record establishments	2002.. N	X	X	779
	..... 1997.. N		X	X	1 447

¹For additional detail, see Current Industrial Report MA335F, Major Household Appliances.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
335228	Other major household appliance manufacturing		
00900001	Total materials .....2002..	X	1 509 484
	.....1997..	X	1 398 774
332000AC	Metal stampings .....2002..	X	88 504
	.....1997..	X	39 516
33261005	Metal wire racks, grills, springs, and other fabricated nonelectric wire products (excluding forgings) .....2002..	X	28 604
	.....1997..	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....2002..	X	20 985
	.....1997..	X	72 223
33200025	All other fabricated metal products (excluding forgings, castings, wire racks, grills, springs, other fabricated nonelectric wire products, bolts, nuts, screws, rivets, and screw machine products) .....2002..	X	40 447
	.....1997..	X	14 923
33210000	Forgings .....2002..	X	D
	.....1997..	X	N
33151001	Iron and steel castings (rough and semifinished) .....2002..	X	D
	.....1997..	X	D
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished) .....2002..	X	D
	.....1997..	X	D
33152003	Other nonferrous metal castings, rough and semifinished (including aluminum and aluminum-base alloy) .....2002..	X	3 495
	.....1997..	X	D
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	D
33120016	Steel sheet and strip (including tinplate) .....2002..	X	128 645
	.....1997..	X	N
33120033	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	35 684
	.....1997..	X	13 941
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	8 455
	.....1997..	X	N
33100077	Other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	D
33100087	Nonferrous wire and cable (including magnet wire, bare or insulated wire, etc.) .....2002..	X	10 773
	.....1997..	X	16 693
33531219	Fractional horsepower electric motors and generators (less than 1 hp), including timing motors .....2002..	X	76 190
	.....1997..	X	96 467
33531221	Integral horsepower electric motors and generators (1 hp or more) .....2002..	X	D
	.....1997..	X	D
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies) .....2002..	X	68 891
	.....1997..	X	48 112
001900B1	Electrical transmission, distribution, and control equipment .....2002..	X	49 781
	.....1997..	X	64 997
33593101	Current-carrying wiring devices .....2002..	X	37 003
	.....1997..	X	19 716
33451809	Timing mechanisms (excluding microprocessors) .....2002..	X	D
	.....1997..	X	18 990
33451200	Automatic temperature controls (thermostats, regulators, etc.) .....2002..	X	135 244
	.....1997..	X	95 416
32551002	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied product .....2002..	X	21 748
	.....1997..	X	N
32600017	Fabricated rubber products (excluding tires, tubes, hose, belting, and gaskets) .....2002..	X	D
	.....1997..	X	721
32622001	Rubber and plastics hose and belting .....2002..	X	26 627
	.....1997..	X	14 505
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....2002..	X	79 358
	.....1997..	X	66 443
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	108 590
	.....1997..	X	61 320
33100095	Complete flexible cord sets .....2002..	X	D
	.....1997..	X	D
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components .....2002..	X	63 351
	.....1997..	X	18 425
32799301	Mineral wool insulation (fibrous glass, rock wool, etc.) .....2002..	X	27 244
	.....1997..	X	27 985
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	331 435
	.....1997..	X	435 783
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	18 627
	.....1997..	X	251 961

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p–10 to 19 percent estimated; q–20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.